

PATENT
Attorney Docket No. 0360-0033

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
James D. Jacobson

Serial No.: 09/457,173

Filed: December 8, 1999

Examiner: Sun U. Kim

Art Unit: 1723

For: MICROPOROUS FILTER MEMBRANE
METHOD OF MAKING MICROPOROUS
FILTER MEMBRANE AND SEPARATOR
EMPLOYING MICROPOROUS FILTER
MEMBRANES

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"Express Mail" Mailing Label: EV 459442993 US

Date of Deposit: March 23, 2005

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office Box Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450 on:

DATE: March 23, 2005

NAME: Kristine Callahan

SIGNATURE: *Kristine Callahan*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

03/28/2005 BABRAHA1 00000059 09457173

01 FC:1806

180.00 OP

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §1.97, as revised on February 4, 1992, 1135 OG 23-24, Applicants hereby call the Examiner's attention to documents listed on the attached form, which documents may be material to the examination of this application.

No inference should be drawn that any apparatus disclosed is equivalent to the subject invention. Also, the citation of the above-discussed documents is not to be construed as an assertion that more pertinent art could not possibly be in existence. Citation of any document herein is not to be

construed as an admission that any subject matter disclosed in the document is necessarily within the inventive field of endeavor, that any disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that any disclosure is otherwise necessarily prior art with respect to the instant invention.

Applicants also respectfully reserve the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosure of those documents discussed herein, that may be cited by the Examiner in rejecting a claim in the present patent application.

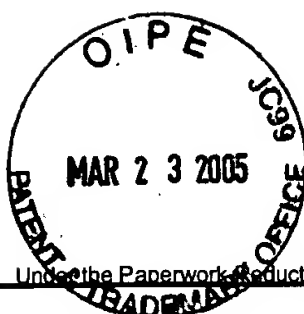
This Information Disclosure Statement is being filed after the mailing date of a first Office Action. Accordingly, enclosed is the fee of \$180.00. If it is determined that any additional fee is required for this Information Disclosure Statement, please charge our Deposit Account No. 50/1039.

Respectfully submitted,



Gary W. McFarron
Registration No. 27,357

COOK, ALEX, MCFARRON, MANZO,
CUMMINGS & MEHLER, LTD.
200 West Adams Street - #2850
Chicago, IL 60606
(312) 236-8500



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

3

Complete if Known

Application Number	09/457,173
Filing Date	December 8, 1999
First Named Inventor	James D. Jacobson
Art Unit	1723
Examiner Name	Sun U. Kim
Attorney Docket Number	0360-0033

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 5,194,145	03/16/1993	Schoendorfer	
	2	US- 5,259,737	11/09/1993	Kamisuki et al.	
	3	US- 5,277,556	01/11/1994	Van Lintel	
	4	US- 5,514,150	05/07/1996	Rostoker	
	5	US- 5,514,378	05/07/1996	Mikos et al.	
	6	US- 5,653,687	08/05/1997	Mills et al.	
	7	US- 5,681,568	10/28/1997	Goldin et al.	
	8	US- 5,709,798	01/20/1998	Adiletta	
	9	US- 5,711,960	01/27/1998	Shikinami	
	10	US- 5,714,160	02/03/1998	Magruder et al.	
	11	US- 5,728,089	03/17/1998	Lal et al.	
	12	US- 5,824,204	10/20/1998	Jerman	
	13	US- 5,839,467	11/24/1998	Saaski et al.	
	14	US- 5,843,069	12/01/1998	Butler et al.	
	15	US- 5,849,208	12/15/1998	Hayes et al.	
	16	US- 5,855,801	01/05/1999	Lin et al.	
	17	US- 5,876,187	03/02/1999	Afromowitz et al.	
	18	US- 5,876,452	03/02/1999	Athanasίου et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

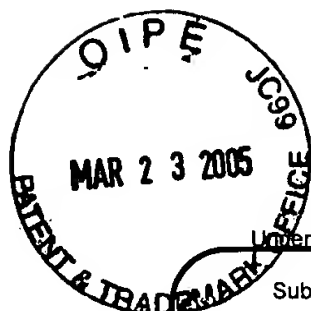
Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

3

Complete if Known

Application Number	09/457,173
Filing Date	December 8, 1999
First Named Inventor	James D. Jacobson
Art Unit	1723
Examiner Name	Sun U. Kim
Attorney Docket Number	0360-0033

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	19	US- 5,928,207	07/27/1999	Pisano et al.	
	20	US- 5,985,164	11/16/1999	Chu et al.	
	21	US- 5,997,263	12/07/1999	Van Lintel et al.	
	22	US- 6,044,981	04/04/2000	Chu et al.	
	23	US- 6,129,928	10/10/2000	Sarangapani et al.	
	24	US- 6,146,771	11/14/2000	Wirt et al.	
	25	US- 6,180,129	01/30/2001	Magruder et al.	
	26	US- 6,187,329	02/13/2001	Agrawal et al.	
	27	US- 6,227,809	05/08/2001	Forster et al.	
	28	US- 6,333,029	12/25/2001	Vyakarnam et al.	
	29	US- 6,344,061	02/05/2002	Leitao et al.	
	30	US- 6,491,819	12/2002	Prince et al.	
	31	US- 6,497,821	12/24/2002	Bellamy, Jr. et	
	32	US- 6,500,751	12/31/2002	Surprenant et al.	
	33	US- 6,520,997	02/18/2003	Pekkarinen et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

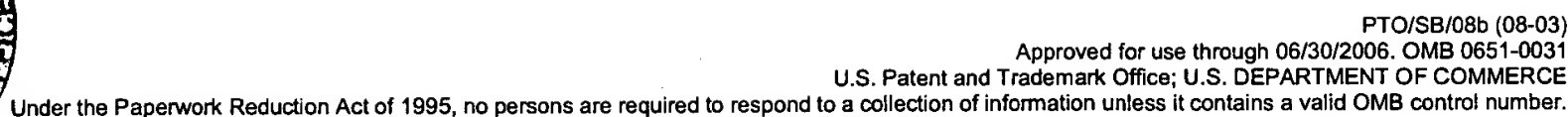
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	34	WO 99/64580	12/16/1999	Prausnitz et al.		
	35	WO 00/05166	02/03/200	Canham et		
	36	WO 00/16833	03/30/2000	Frazier et al.		
	37	WO 01/41905	06/14/2001	Jacobson		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	3
-------	---	----	---

Complete if Known

<i>Application Number</i>	09/457,173
<i>Filing Date</i>	December 8, 1999
<i>First Named Inventor</i>	James D. Jacobson
<i>Art Unit</i>	1723
<i>Examiner Name</i>	Sun U. Kim
<i>Attorney Docket Number</i>	0360-0033

NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.